INTRODUCING

**Ibuprofen TEPI Patch®**

**Ibuprofen 200 mg TEPI Patch®**
- Contains 200 mg ibuprofen for delivery over 24 hours – one patch per day for up to 5 days
- For short-term symptomatic treatment of local pain in acute muscular strains, or sprains in benign traumas
- Flexible thin 12 cm x 8.5 cm adhesive patch on a backing fabric with a transparent release liner

**Ibuprofen TEPI Patch® – development**
- Development programme agreed with MHRA (UK) and BfArM (Germany)
- AdhexPharma (France) appointed as manufacturing partner
- Non-clinical safety studies completed with no concerns
- Phase I studies completed in 2018
  - Irritation and sensitisation – TEPI patch well tolerated
  - Pharmacokinetics – Expected levels of ibuprofen delivered
- Phase III efficacy study designed

**Licensing opportunity**
- Medherant seeks partners for commercialization of Ibuprofen TEPI Patch®
- Total ibuprofen market is worth about $4.2bn
- Topical ibuprofen for local pain relief popular in Europe
- TEPI Patch® is protected by granted patents and pending patent applications

Medherant develops products for pain and CNS indications, based on its next-generation TEPI Patch® transdermal drug delivery technology. We also formulate products for third parties using this unique patch system.

**To find out more please contact the Medherant team**
Phone: +44 (0)24 7632 3060 | Email: info@medherant.co.uk | www.medherant.co.uk
TEPI Patch® technology

- Revolutionary adhesive exclusively licensed to Medherant by Bostik
- Extensive patent protection
- Unique combinations of excipients and drug can be used due to the high loading capacity of the adhesive

High payload

Up to 50wt% achieved for drug + excipients

- Enables transdermal delivery of lower potency drugs
- Extended release (>24h) formulations can be developed
- Smaller and more discrete patch can be produced
- Wide range of drug compatibility – over 50 molecules soluble so far

Other benefits

Flexibility to optimise delivery

- Less residual drug in the patch on removal
- Rates of flux can be customised by adjusting the excipients to achieve a desired product profile
- Solvent-free manufacturing process

Better adhesion

Sticks even when wet

- Full dose delivered as entire patch remains in contact with the skin
- No cold-flow of adhesive around the edges of the patch
- Easy and painless to remove like a sticking plaster

Ibuprofen permeation enhancement

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Comparison of adhesion

- TEPI Patch®
- Commercial patch
- Commercial tape

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